In the Claims

Please amend claims as follows:

- 1. (Withdrawn) A medical device comprising: an elongate catheter including an external surface and at least one internal surface defining an internal lumen that extends longitudinally along at least a portion of the elongate catheter; and a nonradial slit extending from the external surface to the at least one internal surface and into communication with the internal lumen.
- 2. (Withdrawn) A medical device according to claim 1, wherein the slit forms an included angle with a radial line between about 1 degree and about 179 degrees.
- 3. (Withdrawn) A medical device according to claim 1, wherein the slit forms an included angle with a radial line between about 10 degrees and about 40 degrees.
- 4. (Withdrawn) A medical device according to claim 1, wherein the slit forms an included angle with a radial line of about 30 degrees.
- 5. (Withdrawn) A medical device according to claim 1, wherein the catheter has a generally circular cross-section.
- 6. (Withdrawn) A medical device according to claim 1, wherein the catheter has a generally oval cross-section.
- 7. (Withdrawn) A medical device according to claim 1, wherein the catheter has a generally rectangular cross-section.
- 8. (Withdrawn) A medical device according to claim 1, wherein the slit is generally longitudinally disposed.
- 9. (Withdrawn) A medical device according to claim 1, wherein the slit is between about 0.06 and about 1.0 inches in length.
- 10. (Withdrawn) A medical device according to claim 1, wherein the slit is between about 0.12 and about 0.75 inches in length.
- 11. (Withdrawn) A medical device according to claim 1, wherein the slit is between about 0.15 and about 0.40 inches in length.
- 12. (Withdrawn) A medical device according to claim 1, wherein the internal lumen is eccentric with respect to the external surface.
- 13. (Withdrawn) A medical device according to claim 12, wherein the nonradial slit is disposed

in a thickened wall portion of the catheter.

- 14. (Withdrawn) A medical device according to claim 1, wherein the slit is linear.
- 15. (Withdrawn) A medical device according to claim 1, wherein the slit is nonlinear.
- 16. (Withdrawn) A medical device according to claim 15, wherein the slit comprises at least one angle.
- 17. (Withdrawn) A medical device according to claim 15, wherein the slit is curved.
- 18. (Withdrawn) A medical device according to claim 17, wherein the slit has a radius of about 0.10 to about 0.50 inches.
- 19. (Withdrawn) A medical device according to claim 1, further comprising a second nonradial slit extending from the external surface to the at least one internal surface and into communication with the internal lumen.
- 20. (Withdrawn) A medical device according to claim 19, wherein the first and second slits are symmetrical about a radial line and are arranged so as to converge at a point external to the elongate catheter.
- 21. (Withdrawn) A medical device according to claim 19, wherein the first and second slits are symmetrical about a radial line and are arranged so as to diverge from a point external to the elongate catheter.
- 22. (Withdrawn) A medical device according to claim 5, further comprising a laminate disposed on the external surface and extending from the slit up to about 225 degrees from the slit.
- 23. (Withdrawn) A medical device according to claim 5, further comprising a laminate disposed on the external surface and extending from about 45 degrees from the slit up to about 225 degrees from the slit.
- 24. (Withdrawn) A medical device according to claim 19, wherein the elongate catheter defines a second lumen.
- 25. (Withdrawn) A medical device comprising: an elongate catheter including an external surface and at least one internal surface defining an internal lumen that extends longitudinally along at least a portion of the elongate catheter; a protuberance disposed on the elongate catheter; and a nonradial slit extending from the external surface, through the protuberance to the at least one internal surface, and into communication with the internal lumen.
- 26. (Withdrawn) A medical device comprising: an elongate catheter including an external surface and at least one internal surface defining an internal lumen that extends longitudinally

along at least a portion of the elongate catheter; a protuberance disposed on the elongate catheter; and a slit disposed adjacent the protuberance and extending from the external surface to the at least one internal surface, and into communication with the internal lumen.

- 27. (Withdrawn) A medical device according to claim 26, wherein the slit is nonradial.
- 28. (Withdrawn) A medical device according to claim 25 or 27, wherein the slit forms an included angle with a radial line between about 1 degree and about 179 degrees.
- 29. (Withdrawn) A medical device according to claim 25 or 27, wherein the slit forms an included angle with a radial line between about 10 degrees and about 40 degrees.
- 30. (Withdrawn) A medical device according to claim 25 or 27, wherein the slit forms an included angle with a radial line of about 30 degrees.
- 31. (Withdrawn) A medical device according to claim 25 or 26, wherein the catheter has a generally circular cross-section.
- 32. (Withdrawn) A medical device according to claim 25 or 26, wherein the protuberance and slit are generally longitudinally disposed.
- 33. (Withdrawn) A medical device according to claim 25 or 26, wherein the slit is between about 0.06 and about 1.0 inches in length.
- 34. (Withdrawn) A medical device according to claim 25 or 26, wherein the slit is between about 0.12 and about 0.75 inches in length.
- 35. (Withdrawn) A medical device according to claim 25 or 26, wherein the slit is between about 0.15 and about 0.40 inches in length.
- 36. (Withdrawn) A medical device according to claim 25 or 26, wherein the protuberance is disposed on the external surface of the elongate catheter.
- 37. (Withdrawn) A medical device according to claim 25 or 26, wherein the protuberance is disposed on the at least one internal surface of the elongate catheter.
- 38. (Withdrawn) A medical device according to claim 25, further comprising: a second protuberance disposed on the elongate catheter; and a second nonradial slit extending from the external surface, through the second protuberance to the at least one internal surface, and into communication with the internal lumen.
- 39. (Withdrawn) A medical device according to claim 38, wherein the first and second slits are symmetrical about a radial line and are arranged so as to converge at a point external to the elongate catheter.

- 40. (Withdrawn) A medical device according to claim 38, wherein the first and second slits are symmetrical about a radial line and are arranged so as to diverge from a point external to the elongate catheter.
- 41. (Withdrawn) A medical device according to claim 38, wherein the first and second protuberances are disposed opposite each other.
- 42. (Withdrawn) A medical device according to claim 38, wherein the elongate catheter defines a second lumen.
- 43. (Amended) A medical device comprising:

an elongate catheter including an external surface and at least one internal surface defining an internal lumen that extends longitudinally along at least a portion of th elongate catheter; and

a compound slit extending from a generally hemispherical portion of the external surface to the at least one internal surface and into communication with the internal lumen, the compound slit being biased toward a closed position and opening in response to a difference between a fluid pressure within the lumen and a fluid pressure outside the catheter.

- 44. (Original) A medical device according to claim 43, wherein the compound slit is disposed on a distal end of the elongate catheter.
- 45. (Original) A medical device according to claim 44, further comprising a collar disposed at the distal end of the catheter.
- 46. (Original) A medical device according to claim 43, wherein the compound slit is a tricuspid slit.
- 47.(Withdrawn) A medical device according to claim 43, wherein the compound slit is a T-shaped slit.
- 48. (Withdrawn) A medical device according to claim 43, wherein the compound slit is a cross-shaped slit.
- 49. (Withdrawn) A medical device according to claim 43, wherein the compound slit is a double T-shaped slit.
- 50. (Withdrawn) A medical device according to claim 43, wherein the catheter further comprises a second internal lumen that extends longitudinally along at least a portion of the elongate catheter and a second compound slit extending from the external surface to the at least one internal surface and into communication with the second internal lumen.

- 51. (Withdrawn) A medical device comprising: an elongate catheter defining a first lumen that extends longitudinally along at least a portion of the elongate catheter; a cap including an external surface and at least one internal surface and defining a second lumen, the cap disposed at a distal end of the elongate catheter; and a nonradial slit that extends from the external surface of the cap to the at least one internal surface of the cap and into communication with the first and second lumens.
- 52. (Withdrawn) A medical device comprising: an elongate catheter defining a first lumen that extends longitudinally along at least a portion of the elongate catheter; a cap including an external surface and at least one internal surface and defining a second lumen, the cap disposed at a distal end of the elongate catheter; and a compound slit that extends from the external surface of the cap to the at least one internal surface of the cap and into communication with the first and second lumens.
- 53. (Withdrawn) A medical device comprising: an elongate catheter including an external surface and at least two internal surfaces defining two internal lumens that extend longitudinally along at least a portion of the elongate catheter; a first protuberance disposed on the elongate catheter; a first slit disposed adjacent the first protuberance and extending from the external surface to one of the at least two internal surfaces, and into communication with the first internal lumen; a second protuberance disposed on the elongate catheter; and a second slit disposed adjacent the second protuberance and extending from the external surface to another of the at least two internal surfaces, and into communication with the second internal lumen.
- 54. (Withdrawn) A medical device according to claim 53, wherein the first and second slits are nonradial.
- 55. (Withdrawn) A medical device comprising: an elongate catheter including an external surface and at least two internal surfaces defining two internal lumens that extend longitudinally along at least a portion of the elongate catheter; a first nonradial slit extending from the external surface to one of the at least two internal surfaces, and into communication with the first internal lumen; and a second nonradial slit extending from the external surface to another of the at least two internal surfaces, and into communication with the second internal lumen.
- 56. (Withdrawn) A medical device comprising: an elongate catheter defining an open distal end and a first lumen that extends longitudinally from the open distal end along at least a portion of the elongate catheter; a cap including a proximal portion, an external surface, and at least one internal surface, the cap defining a second lumen and at least one slot in the proximal portion, and disposed at the distal end of the elongate catheter; and a slit that extends from the external surface of the cap to the at least one internal surface of the cap and into communication with the first and second lumens.
- 57. (Withdrawn) The medical device of claim 56, wherein the slit is nonradial.
- 58. (Withdrawn) The medical device of claim 56, wherein the slit is a compound slit.

- 59. (Withdrawn) The medical device of claim 56, wherein the open distal end of the catheter is collapsible.
- 60. (Withdrawn) The medical device of claim 56, wherein the catheter has a wall thickness that tapers down at the open distal end.
- 61. (New) A medical device according to claim 43, wherein the compound slit is configured so that, when the fluid pressure within the lumen exceeds the fluid pressure outside the catheter by a first predetermined amount, flaps of the hemispherical portion formed by the compound slit flex outward away from a longitudinal axis of the catheter to allow fluid within the lumen to exit and, when the fluid pressure outside the catheter exceeds the fluid pressure within the lumen by a second predetermined amount, the flaps flex into the lumen to allow fluid outside the catheter to enter the lumen.